

From: Bruce Wagner
To: GOWG
Subject: Meeting Minutes (09/11/03 02:00 PM EST)
Date: September 11, 2003
GSFC Location: Room N226, Bldg 12
Dial in info: (this is now our "usual" number and code)
Number: 866-836-1481
Passcode: 205535

Next Meeting: September 18, 2003 at 2:00 pm

Agenda topics:

- Upcoming GBM IOC CDR - Bill/Rob
 - Working to same schedule of October 30th.
 - Presentations to be posted to web 2 weeks prior.
 - Bill will send out IOC Functional Requirement Spec on 9/12.
 - CCB to baseline document is week of 9/23.
- Today's GBM I&T Mtg - anything to share? (Ross, FOT)
 - Science data will not be separated. Flat files will contain both GBM and LAT data. Will need to separate the VIDs for the IOCs.
 - Is now an I&T issue with Kendell and Spectrum looking into.
- Data Challenge status - Richard/Seth
 - Meeting next week in Rome for kicking off.
 - Hardware has been checked out.
 - Need to finish off performance studies, translations to instrument response functions.
 - Start dribbling out data in 2 weeks.
 - Stress test through October.
 - Mid-November start true data challenge.
 - Have analysis in mid January.
 - Need to do DTS prototyping over next couple of months.
- Latest LAT IOC plans/schedule (Peer Review, CDR) - Dave, Richard
 - SAS and LOF would have co Peer Review end of Feb (i.e. 23rd)
 - Ground Sys Design Review and IOC CDR held concurrently in May 3rd.
- ICD development status
 - Ops Data products
 - Currently in progress. Chatting stage.
 - Sci Data products
 - No report from David.
 - Mnemonic Naming convention
 - John sent something out earlier today.
 - Will be in Database DFCD that will be generated.

- FDF/MOC
 - Mark Woodard working with John Nagy.
- Early instrument/MOC interface testing options – Mike
 - MOC to instrument via SIIS?
 - Difficult to find available time.
 - MOC to instrument simulators (with HotBench)?
 - Seems easier to accomplish.
 - Recorded data?
- Handling GPS failure discussions (very brief summary only) – Ross
 - Orbit determination

Mark Woodard running some numbers as the spacecraft will need to see two TDRSSs to be able to accomplish DOWD.

 - DOWD
 - On-board orbit propagation
 - MOC upload of ephemeris tables
 - Clock management
 - RDD method for determining accuracy
 - Clock drift profile (oscillator quality)
 - This is the key. Will need to also know timing of when data is time stamped and when data hits transponder.
 - If clock stops – how soon will science data be affected.
 - To be worked via the ISET
- Independent attitude verification via FDF - Mark W.
 - ISET vs GOWG topic? GOWG
 - Related topic - MOC/FDF requirements in GSRD
- Safe mode discussions (very brief summary only) – Ross
 - What does spacecraft record?
 - What is interaction with ground?
 - To be worked via the ISET
 - On agenda for next ISET meeting.
 - Would like to know what Spectrum is planning for saving data.
- Analysis Tools coming into the MOC

Looking to keep anything from being launch critical.

 - Spacecraft (from Specrum)
 - LAT-spacecraft calibration - actually comes from LAT?
 - Kalman Filter – Igor
 - Anything from instruments?
 - MOC interface definition approach (Ops Data Products ICD?)
- L&EO Ops Splinter (Mark D.)

- Will try to schedule in late October.
 - L&EO contingency situations (e.g., solar array deploy failure)
 - Follow-up discussions from recent Fault Management TIM
 - Goal: good cut at a L&EO detailed timeline by SC CDR (Feb'04)
 - Timeline will end up in the Ops Description Manual (CDRL 5)
 - Schedule?
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- TOO Summary mtg with Project/Science Team
 - Ops and FSW perspectives
 - Erik and Mike on the hook